

PLANOGRAPHIC PRINTING PLATE AND PRINTING METHOD

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Abstract of JP9127683

PROBLEM TO BE SOLVED: To enable direct plate making according to signals from a computer, to obtain high resolution and high stability for deposition of an ink in an image part, and to decrease contamination in a nonimage part with an ink by forming a layer of specified self-water dispersible thermoplastic resin particles on the surface of hydrophilic substrate.

SOLUTION: The layer of self water dispersible thermoplastic resin particles which can be changed into oleophilic heat is formed on the surface of a hydrophilic substrate, preferably an aluminum plate. In this case, the resin for self-water dispersible thermoplastic resin particles is not limited and the resin is preferably a copolymer containing monomer unit selected from styrene, substituted styrene such as α -styrene, acrylates such as methylacrylate, 2-ethylhexyl acrylate, and methacrylates such as methylmethacrylate and 2-ethylhexyl methacrylate, and a mono unit selected from acrylic acids and methacrylic acids.